Table 5-1
Preliminary Screening of Remedial Alternatives
Riverside Industrial Park Superfund Site
Newark, New Jersey

	Overall Effectiveness	Implement-ability	Cost	Screening Comments
Waste				
1 – No Action	Poor	Excellent	Low	Retained per NCP
2 – Removal and Off-Site Disposal	Excellent	Good	Medium	
Soil/Fill				
1 – No Action	Poor	Excellent	Low	Retained per NCP
2 – Institutional Controls and NAPL Removal	Poor-Fair	Excellent	Low	
3 – Institutional Controls, Engineering Controls, and NAPL Removal	Good	Good	Medium	
4 – Inst Controls, Engr Controls, Limited Removal, and NAPL Removal	Good-Excellent	Good	Medium-High	
5 – Inst Controls, Engr Controls, In-Situ Remediation and NAPL Removal	Good-Excellent	Poor-Fair	High	Retained, although implementability uncertain at this time
6 – Inst Controls, Removal/Off-Site Disposal, and NAPL Removal	Excellent	Poor	Very High	Not implementable (water management, offsets around underground utilities, and limited space between buildings)
7 – Inst, Ex-Situ Treatment/Replacement, Engr Controls and NAPL Removal	Good-Excellent	Poor	Very High	Not implementable (water management, offsets around underground utilities, and limited space between buildings)
Groundwater				
1 – No Action	Poor	Excellent	Low	Retained per NCP
2 – Institutional Controls, Containment at River, and Pump and Treat	Good	Good	High	
3 – Institutional Controls and In-Situ Remediation	Fair-Good	Good	Medium	
4 – Institutional Controls, P&T, and Targeted Periodic In-Situ Remediation	Good-Excellent	Good-Excellent	Medium	
5 – Inst. Controls, Containment at River, and Focused In-Situ Remediation	Fair	Poor	Medium	Not implemented (containment at river without a pumping system is not feasible)
6 - Institutional Controls and Site Containment	Poor	Poor	High	Not implementable (underground utilities/building proximity along western boundary)
7 – Institutional Controls, Containment at River, and MNA	Unknown	Poor	Medium	Not implemented (no MNA study conducted to determine if MNA is occurring at Site; containment at river without a pumping system is not feasible)
Sewer				
1 – No Action	Poor	Excellent	Low	Retained per NCP
2 – Removal and Off-Site Disposal	Excellent	Good	Low	
Soil Gas				
1 – No Action	Poor	Excellent	Low	Retained per NCP
2 – Inst Controls, Monitoring/Engr Controls, and Site-Wide Engr Controls	Good	Excellent	Low	
3 – Inst Controls, Site-Wide Engr Controls, and In-Situ Remediation	Good-Excellent	Poor-Fair	High	Retained, although implementability uncertain at this time
4 – Inst Controls, Site-Wide Engr Controls, and Removal/Disposal	Good	Poor	Very High	Not implementable (water management, offsets around underground utilities, and limited space between buildings)
5 - Inst Controls, Site-Wide Engr Controls, and Ex-Situ Treatment/Replacement	Good	Poor	Very High	Not implementable (water management, offsets around underground utilities, and limited space between buildings)

Table 6-1
Detailed Screening of Remedial Alternatives
Riverside Industrial Park Superfund Site
Newark, New Jersey

	Overall Effectiveness					Implement-ability	Cost
	Overall Protection of Human Health/ Environment	Compliance with ARARs	Long-term Effectiveness and Permanence	Reduction of Mobility/ Toxicity/Volume by Treatment	Short-term Effectiveness		
Waste							
1 – No Action	Poor	Poor	Poor	Poor	Excellent	Excellent	Low
2 – Removal and Off-Site Disposal	Excellent	Excellent	Excellent	Good	Good	Good	Medium
Soil/Fill							
1 – No Action	Poor	Poor	Poor	Poor	Excellent	Excellent	Low
2 – Institutional Controls and NAPL Removal	Poor-Fair	Poor-Fair	Poor-Fair	Poor-Fair	Good-Excellent	Excellent	Low
3 – Institutional Controls, Engineering Controls, and NAPL Removal	Good	Good	Good	Fair	Good	Good	Medium
4 – Inst. Controls, Engineering Controls, Focused Removal, and NAPL Removal	Good-Excellent	Good-Excellent	Good-Excellent	Good	Good	Good	Medium-High
5 – Inst. Controls, In-Situ Remediation, Engineering Controls, and NAPL Removal	Good-Excellent	Good	Good-Excellent	Fair-Good	Fair	Poor-Fair	High
Groundwater							
1 – No Action	Poor	Poor	Poor	Poor	Excellent	Excellent	Low
2 – Institutional Controls, Containment at River, and Pump and Treat	Good	Good	Good	Good	Good	Good	High
3 – Institutional Controls and In-Situ Remediation	Good	Good	Fair-Good	Fair	Fair	Good	Medium
4 – Institutional Controls, P&T, and Targeted Periodic In-Situ Remediation	Good-Excellent	Good-Excellent	Good-Excellent	Good	Good	Good-Excellent	Medium
Sewer							
1 – No Action	Poor	Poor	Poor	Poor	Excellent	Excellent	Low
2 – Removal and Off-Site Disposal	Excellent	Excellent	Excellent	Good	Good	Good	Low
Soil Gas							
1 – No Action	Poor	Poor	Poor	Poor	Excellent	Excellent	Low
2 – Inst. Controls, Monitoring/Engineering Controls, and Site-Wide Engineering Controls	Good	Good	Good	Poor	Excellent	Excellent	Low
3 – Inst. Controls, Site-Wide Engineering Controls, and In-Situ Remediation	Good-Excellent	Good-Excellent	Good-Excellent	Good	Fair-Good	Poor-Fair	High